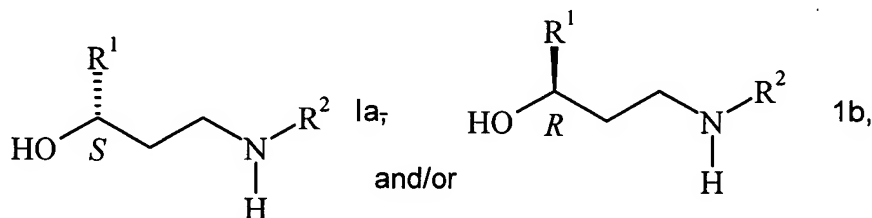


Amendments To The Claims

This Listing Of Claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended): A process for the preparation of salt of a carboxylic acid with an aminoalcohol of formula:



wherein R¹ is selected from the group consisting of 2-thienyl, 2-furanyl, and phenyl, 2-thienyl each optionally substituted with at least one or more halogen atoms and/or at least one or more C₁₋₄-alkyl or C₁₋₄-alkoxy groups, 2-furanyl substituted with at least one halogen and/or at least one C₁₋₄-alkyl or C₁₋₄-alkoxy, and phenyl substituted with at least one halogen and/or at least one C₁₋₄-alkyl or C₁₋₄-alkoxy, and wherein R² is selected from the group consisting of C₁₋₄-alkyl, or phenyl, C₁₋₄-alkyl each optionally substituted with at least one or more halogen atoms and/or at least one or more C₁₋₄-alkyl or C₁₋₄-alkoxy groups, and phenyl substituted with at least one halogen and/or at least one C₁₋₄-alkyl or C₁₋₄-alkoxy, comprising asymmetrically hydrogenating a salt of a carboxylic acid with an aminoketone of formula:



wherein R¹ and R² are as defined above,

in the presence of a transition metal complex of a diphosphine ligand.

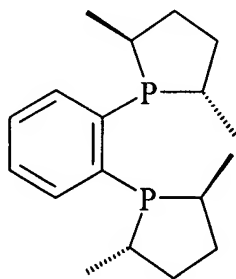
Claim 2 (Currently Amended): The process of claim 1, wherein the carboxylic acid is selected from the group consisting of ~~optionally~~ substituted C₁₋₁₈-alkanoic acids, and ~~optionally~~ substituted ~~mono-~~ monocyclic aromatic acids and substituted bicyclic aromatic acids.

Claim 3 (Currently Amended): The process of claim 4 ~~or 2~~, wherein R¹ is 2-thienyl, ~~or optionally substituted~~ thienyl with at least one ~~or more~~ halogen atoms, and R² is methyl or ethyl.

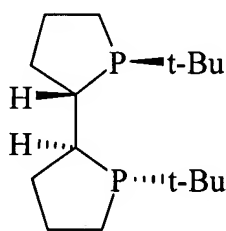
Claim 4 (Original): The process of claim 3, wherein the compound of formula II is selected from the group consisting of (S)-(-)-3-N-methylamino-1-(2-thienyl)-1-propanol, (S)-(-)-3-N-methyl-amino-1-(3-chloro-2-thienyl)-1-propanol, (R)-(+)-3-N-methylamino-1-(2-thienyl)-1-propanol and (R)-(+)-3-N-methylamino-1-(3-chloro-2-thienyl)-1-propanol.

Claim 5 (Previously Presented): The process of claim 4, wherein the transition metal is selected from the group consisting of rhodium, ruthenium or iridium.

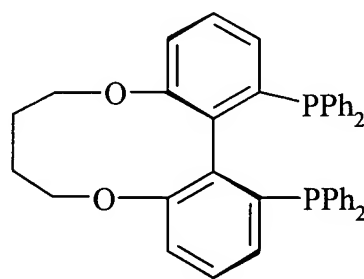
Claim 6 (Currently Amended): The process of claim 5 ~~7~~, wherein the diphosphine ligand is selected from the group consisting of:



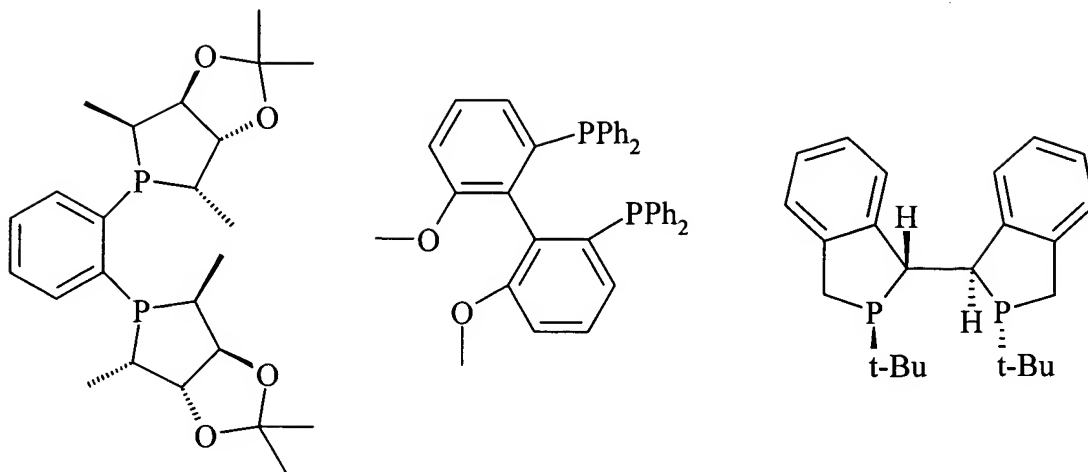
(S,S)-"Me-DuPhos",



(R,R,S,S)-"TangPhos",



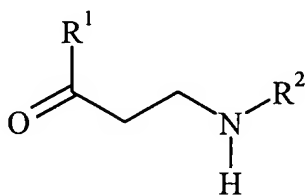
(S)-"C4-TunePhos",



(*S,S,S,S*)-"Me-KetalPhos", (*S*)-(*S*)- and (*R*)-"MeO-BiPhep", and "*(R_P,R_P,S_C,S_C)*-DuanPhos".

Claim 7 (Currently Amended): The process of claim 6, wherein the compound formulae Ia and/or Ib is obtained from it's corresponding salt with a carboxylic acid by hydrolysis in the presence of an alkali metal hydroxide or an alkaline earth metal hydroxide.

Claim 8 (Previously Presented): A salt of a carboxylic acid with an aminoketone of the formula:



II,

wherein R^1 is 2-thienyl or 2-furanyl, each optionally substituted with one or more halogen atoms and/or one or more C_{1-4} -alkyl or C_{1-4} -alkoxy groups, and wherein R^2 is C_{1-4} -alkyl or phenyl, each optionally substituted with one or more halogen atoms and/or one or more C_{1-4} -alkyl or C_{1-4} -alkoxy groups.

Claim 9 (Previously Presented): The salt of claim 8, wherein the acid is selected from the group consisting of C₁₋₁₈-alkanoic acids, (-)-2,3:4,6-di-O-isopropylidene-2-keto-L-gulonic acid, (+)-2,3:4,6-di-O-isopropylidene-2-keto-D-gulonic acid, 2-keto-L-gulonic acid, 2-keto-D-gulonic acid, L-aspartic acid, D-aspartic acid, DL-aspartic acid, benzoic acid, 3-methyl-benzoic acid, salicylic acid, 1-naphthalene carboxylic acid and 2-naphthalenecarboxylic acid.

Currently 10 (Previously Presented): A salt of a carboxylic acid with an aminoalcohol of the formula:



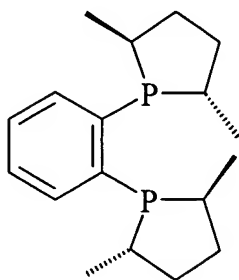
wherein R¹ is 2-furanyl or phenyl, each optionally substituted with one or more halogen atoms and/or one or more C₁₋₄-alkyl or C₁₋₄-alkoxy groups, and wherein R² is C₁₋₄-alkyl or phenyl, each optionally substituted with one or more halogen atoms and/or one or more C₁₋₄-alkyl or C₁₋₄-alkoxy groups, with the exception of salts, wherein the acid is (-)-2,3:4,6-di-O-isopropylidene-2-keto-L-gulonic acid or (+)-2,3:4,6-di-O-isopropylidene-2-keto-D-gulonic acid.

Claim 11 (Previously Presented): The process of claim 1, wherein the transitional metal complex of a diphosphine ligand is a transitional metal complex of an aryldiphosphine ligand or a biaryldiphosphine ligand.

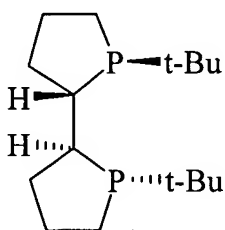
Claim 12 (Currently Amended): The process of claim 1, wherein R¹ is 2-thienyl, or optionally substituted with at least one ~~or more~~ halogen atoms, and R² is methyl or ethyl.

Claim 13 (Previously Presented): The process of claim 1, wherein the transition metal is rhodium.

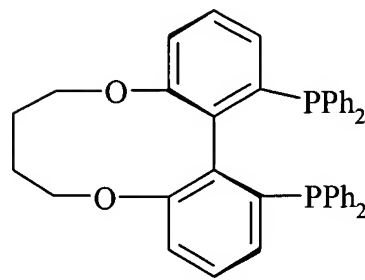
Claim 14 (Currently Amended): The process of claim 1, wherein the diphosphine ligand is selected from the group consisting of:



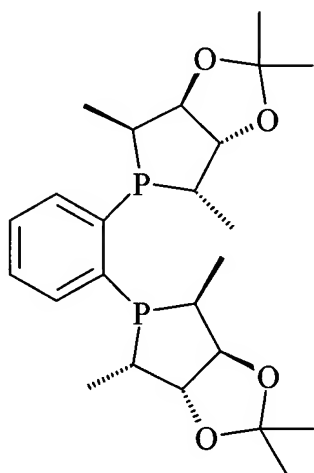
(*S,S*)-"Me-DuPhos",



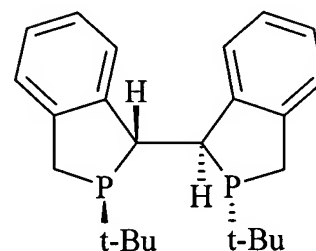
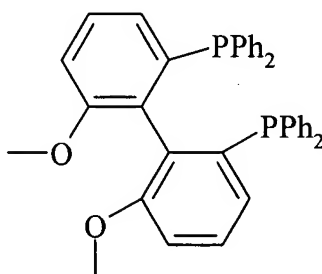
(*R,R,S,S*)-"TangPhos",



(*S*)-"C4-TunePhos",



(*S,S,S,S*)-"Me-KetalPhos", (*S*) (*S*)- and (*R*)-"MeO-BiPhep", and
 "(*R_P,R_P,S_C,S_C*)-DuanPhos".



Claim 15 (Currently Amended): The process of claim 1, wherein the compound ~~compounds~~ of formulae Ia and/or Ib is obtained from its corresponding salt with a carboxylic acid by hydrolysis in the presence of an alkali metal hydroxide or an alkaline earth metal hydroxide.

Claim 16 (New): The process of claim 2, wherein the substituted C₁₋₁₈-alkanoic acid is substituted with at least one C₁₋₆-alkyl, C₁₋₆-alkoxy, aryl, amino, protected carbonyl, halogen, hydroxyl or further carboxylic.

Claim 17 (New): The process of claim 2, wherein the substituted monocyclic

aromatic acid is substituted with at least one C₁₋₆-alkyl, C₁₋₆-alkoxy, halogen or hydroxyl.

Claim 18 (New): The process of claim 2, wherein the substituted bicyclic aromatic acid is substituted with at least one C₁₋₆-alkyl, C₁₋₆-alkoxy, halogen and hydroxyl.